

[EPA comment: This document was revised and sent to EPA on 9/17/01]

SAVANNAH RIVER SITE

STATEMENT OF WORK 1E8863 FOR CHARACTERIZATION OF SRS TRU WASTE

MANAGED BY

**WESTINGHOUSE SAVANNAH RIVER COMPANY
FOR U.S. DEPARTMENT OF ENERGY**

TABLE OF CONTENTS

	Page
1.0 SCOPE	<u>4</u>
1.1 GENERAL DESCRIPTION OF SERVICES	<u>4</u>
1.2 BACKGROUND	<u>4</u>
2.0 REFERENCES	<u>5</u>
2.1 DEFINITIONS	<u>5</u>
2.2 CODES, STANDARDS, ORDERS, AND REGULATIONS	<u>6</u>
2.3 DRAWINGS	<u>7</u>
3.0 WORK REQUIREMENTS	<u>7</u>
3.1 TASK REQUIREMENTS	<u>7</u>
3.1.1 <i>Supplier-Provided Services (General)</i>	7
3.1.2 <i>Supplier-Provided Services (Programmatic)</i>	<u>8</u>
3.1.3 <i>Supplier-Provided Services (Technical)</i>	9
3.1.3.1 <i>Acceptable Knowledge</i>	9
3.1.3.2 <i>TRU Waste Drum Characterization, Certification, and Shipment</i>	9
3.1.3.3 <i>Data Compilation and Reporting</i>	9
3.1.3.4 <i>Shipping Requirements</i>	10
3.2 WSRC FURNISHED MATERIALS, EQUIPMENT, OR SERVICES	10
3.2.1 <i>WSRC-Provided Services (General)</i>	10
3.2.2 <i>WSRC-Provided Services (Technical)</i>	11
3.3 QUALITY REQUIREMENTS	<u>12</u>
3.3.1 <i>Supplier Responsibilities</i>	12
3.3.2 <i>WSRC Responsibilities</i>	13
3.4 SITE CONDITIONS	<u>13</u>
3.5 PERIOD OF PERFORMANCE	<u>14</u>
3.6 PERSONNEL QUALIFICATIONS/CERTIFICATION	<u>14</u>
3.7 DELIVERABLES	<u>14</u>
3.8 EXCEPTIONS	<u>15</u>
4.0 ACCEPTANCE OF SERVICES	<u>16</u>
4.1 FINAL ACCEPTANCE METHOD	<u>16</u>
4.2 INSPECTIONS/TRAINING REQUIREMENTS	<u>16</u>
4.3 WSRC SURVEILLANCE AND AUDITS	<u>16</u>

TABLE OF CONTENTS (continued)

	Page
5.0 ATTACHMENTS	<u>16</u>
5.1 SUPPLIER QUALITY ASSURANCE PROGRAM REQUIREMENTS DATA SHEET, OSR FORM 19-238, 01/4/2000	<u>16</u>
5.2 SUPPLIER DEVIATION DISPOSITION REQUEST (SDDR), OSR FORM 45-4, 03/29/2000	<u>16</u>
5.3 APPLICABLE SRS SITE PROCEDURES	
5.4 SRS and SWD-Specific Training	
5.5 Supplier Technical Procedures	

1.0 SCOPE

1.1 General Description of Services

Westinghouse TRU Solutions (WTS) Central Characterization Project (CCP), hereafter referred to as Supplier, will develop and provide a program to characterize and certify SRS TRU Waste. The services will be provided at the Savannah River Site (SRS) Solid Waste Division (SWD) in the Solid Waste Management Facilities (SWMF), located in E-area.

Specifically, the Supplier will perform nondestructive examination (NDE); nondestructive radioassay (NDA); headspace gas sampling and analysis; data generation level review; and project level verification and validation. These services will be performed in accordance with the Carlsbad, New Mexico Waste Isolation Pilot Plant permit and other regulatory requirements, including the WIPP Waste Acceptance Criteria (WAC) and WIPP Waste Analysis Plan (WAP). All processes and systems comprising the services delivered during the characterization of TRU waste will be Department of Energy (DOE) and Carlsbad Field Office (CBFO)-certified.

Both the Supplier and WSRC are responsible for ensuring that subcontractors are informed of applicable sections of this document and responsibilities outlined in the Interface Document, CCP-PO-004.

1.2 Background

The Department of Energy's complex-wide waste management strategy includes plans to close the Mound Site in Ohio at the earliest possible date, thereby realizing significant cost savings. A key element of this closure plan involves the transfer of approximately 1600 drum equivalents of transuranic (TRU) waste from the Mound Site to the Savannah River Site (SRS). This transfer is to take place via special rail cars for which the Department of Transportation (DOT) has granted special approval, provided the transfer is complete by May 31, 2002. The state of South Carolina has imposed a requirement that SRS accelerate the schedule for shipping TRU waste to the Waste Isolation Pilot Plant (WIPP) as a condition for accepting TRU waste from Mound. This requirement provides that two drums of TRU waste from the SRS inventory must be shipped to WIPP before each drum equivalent of Mound waste is received at SRS. Since receipt of the Mound waste must be completed before May 31, 2002 due to transportation mode constraints, approximately 3200 drums of SRS TRU waste must be shipped to WIPP on a schedule that supports the Mound waste receipt deadline.

Because the SRS TRU waste disposition program lacks the resources to support this accelerated shipping schedule, the Supplier has been asked to provide characterization services described in Section 1.1 above.

SRS's TRU waste was generated from radiochemical separations processes, from analytical process control laboratories, and from research activities. The primary contaminants are Pu ²³⁸ and Pu ²³⁹. Other contaminants are identified in the Savannah River Site Solid Waste

Management Facility SAR-SA-22, Safety Analysis Report, Revision 2. Most TRU waste generated at SRS is low density job control waste containing a wide range of hydrogenous materials (plastics, wipes, etc.). It may also contain metal tools and containers. The waste description states it can contain PVC bags, tape, gloves, shoecovers, zeolite, oil, swipes, paper, paint, glass, hut plastic, motors, lead gloves, metal, scales, valves, etc.

2.0 REFERENCES

2.1 Definitions

AK	Acceptable Knowledge
ALARA	As Low As Reasonably Achievable
CBFO	Carlsbad Field Office
CAR	Corrective Action Report
CFR	Code of Federal Regulations
Ci	Curie
CCP	Central Characterization Project (CCP) Team
DOE	U. S. Department of Energy
EDR	Engineering Document Requirements
ESH&QA	Environmental, Safety, Health & Quality Assurance
FSN	File Sequence Number
HAZWOPER	Hazardous Waste Operation and Emergency Response
HMTR	Hazardous Material Transportation Representative
IPAN	Imaging Passive Active Neutron
Interface Agreement	An agreement between the Supplier and WSRC for defining the responsibilities associated with WIPP requirements defined in the reference documents in identified in Section 2.2
NDA	Non Destructive Assay
NDE	Non Destructive Examination
Nonconformance	A deficiency in Project requirements that renders the quality of an item, service, sample, data, or activity unacceptable or indeterminate.
QAO	Quality Assurance Official
QAPD	Quality Assurance Program Document
QAPjP	Quality Assurance Project Plan
QVDR	Quality Verification Document Requirements
PDP	Performance Demonstration Program
PPA	Property Protection Area
RA	Readiness Assessment
RCO	Radiological Control Operations
RWP	Radiological Work Permit
SDDR	Supplier Deviation Disposition Request
SOW	Statement of Work
SPM	Site Project Manager

SPQAO	Site Project Quality Assurance Official
SRS	Savannah River Site
STR	Subcontract Technical Representative
SWD	Solid Waste Division
SWMF	Solid Waste Management Facility
TCO	Transportation Certification Official
TRU	Transuranic; refers to TRU isotopes with half-lives > 20 years, for SRS, mainly Pu ²³⁸ and Pu ²³⁹ .
TRU Waste	Waste contaminated with alpha emitting transuranic radionuclides with half-lives > 20 years in concentrations > 100 nCi/g in the waste matrix.
WAC	Waste Acceptance Criteria
WAP	Waste Analysis Plan
Waste Stream Profile Package	multi-page form that is completed once an entire waste stream (or sufficient part of a waste stream) has been characterized to document such information as waste forms, AK Report, and procedures used
WG Pu	Weapons Grade Plutonium has Pu ²³⁹ as the major isotope. Weapons Grade Plutonium also includes other isotopes such as Pu ²³⁸ , Pu ⁴⁰ , Pu ²⁴¹ , and Am ²⁴¹
WIPP	Waste Isolation Pilot Plant
WIPP Requirements	Requirements contained in references identified in documents contained in Section 2.2
WSRC	Westinghouse Savannah River Company

2.2 Codes, Standards, Orders, and Regulations

The Supplier shall complete the services required by this SOW in accordance with the following Federal and State codes, orders, acts and regulations. The Supplier shall use the latest revision of the reference document (unless deviation is submitted to and approved by appropriate WSRC and DOE personnel).

DOE Order 435.1 (7/9/99)	Radioactive Waste Management
DOE Order 5480.4 (Change 4, 1/17/93)	Environmental Protection, Safety and Health Protection Standards
10 CFR 830.120	Quality Assurance for DOE Nuclear Facilities
10CFR 830.121	Quality Assurance Program
10CFR 830.122	Quality Assurance Criteria
OSHA	Occupational Safety and Health Act
10CFR835	Occupational Radiation Protection

The Supplier shall complete the services required by this SOW in accordance with the following Carlsbad, New Mexico Waste Isolation Pilot Plant (WIPP) requirements:

Hazardous Waste Facility Permit, Waste Isolation Pilot Plant, EPA No. NM4890139088, Attachment, Waste Analysis Plan (WIPP-WAP).

Carlsbad Area Office Quality Assurance Program Document, CAO-94-1012, Rev.3, Carlsbad, New Mexico, Carlsbad Area Office, U.S. Department of Energy.

Waste Acceptance Criteria for the Waste Isolation Pilot Plant, DOE/WIPP-069, Rev.7, dated November 8, 1999 (Chapter Notes2) NRC-Docket -71-92181, Rev.18, TRUPACT-II, Safety Report.

Safety Analysis Report for the TRUPACT-II for Packaging (SARP, Appendix 1.3.7, TRUPACT-II Methods for Payload Control [TRAMPAC]) Revision 18, August 1999. Nuclear Regulatory Commission.

2.3 Drawings

(None)

3.0 WORK REQUIREMENTS

3.1 Task Requirements

3.1.1 Supplier-Provided Services (General)

The Supplier is responsible for the characterization and certification of 3200 fifty-five (55) gallon drums of contact-handled debris waste (Summary Category S5000) per WIPP requirements defined in Section 2.2.

All supplier equipment brought on-site shall be subject to a safety inspection/walkdown, conducted in accordance with Manual 8Q, Procedure 51, *Final Acceptance Inspection of New, Altered, or Discontinued Facilities or Equipment*. The walkdown and resultant action items must be completed prior to commencing operations at SRS.

The Supplier's mobile characterization unit shall undergo a readiness assessment, conducted by WSRC, prior to the initiation of characterization of TRU waste drums.

Any proposed changes to approved facilities, equipment, processes, or procedures for which Supplier is responsible must be submitted for review by WSRC before implementation.

The Supplier will be required to participate in a CBFO audit of its TRU Waste Characterization program at SRS. The Supplier will resolve all Corrective Action Reports (CARs) resulting from the CBFO audit and receive notification from CBFO that its characterization program has been certified.

The Supplier will be responsible for maintenance and calibration of systems of all Supplier equipment.

The Supplier will be responsible for maintenance of the Supplier's trailers, trailer housing and equipment.

The supplier will adhere to good housekeeping practices and ensure that work environments are maintained clean and safe.

Radioactive sources required to verify instrument calibration will be controlled and housed by Supplier's waste characterization personnel. Control of these sources will be in accordance with WSRC 5Q Manual, Chapter 4, Part 3, *Radioactive Source Controls*. The Supplier must request permission from SWD in writing thirty (30) days prior to bringing any calibration source(s) to SRS. The Supplier must also submit a copy of their Radioactive Materials License with the written request.

The Supplier shall comply with the WSRC Solid Waste Division Health and Safety Plan (HASP).

Supplier personnel will follow the requirements of the works clearance permit (WCP) while performing work at SRS.

The Supplier will be responsible for tracking drums throughout the characterization and certification processes.

Work shall occur primarily during daylight on a 10-hour shift (6:30 AM to 5:00 PM), Monday through Thursday. Work to be performed outside of the normal work schedule requires advance notice and prior approval by the Host Site STR.

The Supplier is responsible for providing all materials and services during activities related to meeting the requirements of this SOW, including project mobilization, startup testing, and readiness assessment and CBFO audit activities, and other functions related to drum characterization and operation.

3.1.2 Supplier-Provided Services (Programmatic)

The Supplier shall:

Submit an Interface Document that will establish the interfaces, including responsibilities for the implementation of WIPP requirements, between the Supplier and SRS for the provision of transuranic (TRU) waste characterization services to SRS.

Submit, as part of the Interface Document, a Site organization chart identifying the key positions and reporting relationships responsible for delivering and overseeing defined services, including interfaces with WSRC. The organization chart shall clearly designate, according to identified positions, a Site Project Manager (SPM), Waste Certification Official (WCO), Site Project Quality Assurance Officer (SPQAO), and other key positions required for WIPP certification.

Establish technical procedures that will ensure the safe and efficient delivery of above services.

Develop and implement a DOE-approved CONOPs program.

Maintain a document control system program that includes controlled operating procedures for equipment, systems and data management, and QA records storage and maintenance.

3.1.3 Supplier-Provided Services (Technical)

3.1.3.1 Acceptable Knowledge

The Supplier shall provide a team of AK specialists to assemble and maintain AK documentation.

3.1.3.2 TRU Waste Drum Characterization, Certification, and Shipment

The Supplier shall:

Provide the equipment and qualified personnel to perform all characterization activities (except visual examination and HSG sampling and analysis to supplement the CCP effort) necessary to certify TRU waste drums for transportation in a TRUPACT-II shipping container for disposal at WIPP. This includes equipment and qualified personnel to perform services associated with Non-Destructive Examination (NDE), Non-Destructive Assay (NDA), and Headspace Gas and Analysis.

Perform all necessary calculations required to characterize and certify waste in accordance with the WIPP requirements.

Generate, review, and maintain required waste certification records for drums certified during this project.

3.1.3.3 Data Compilation and Reporting

The Supplier shall:

Prepare and validate batch data packages in accordance with the WIPP WAP.

Perform data generation level reviews and project level validation and verification in accordance with the requirements of B3-10 of the WAP.

Submit the final data package to WIPP via WWIS.

Submit the Waste Stream Profile Package to the Host STR for concurrence and disposition.

Prior to demobilization, submit all documentation related to characterization, certification, and shipment to the STR.

3.1.2.4 Shipping Requirements

The Supplier shall:

Provide radioisotope concentrations and, for mixed waste, a list of hazardous constituents associated with all drums assigned to each shipment.

Supply the appropriate characterization data to the Project Transportation Certification Official (TCO) to allow completion of the transportation documentation.

Provide access to the Batch Data Reports for NDA and the Headspace Gas analytical results.

Supply the TRUPACT-II mobile loading unit that includes leak-testing capability for TRUPACT-II shipping containers, the payload pallets, and the heat shrink unit.

3.2 WSRC Furnished Materials, Equipment, or Services

3.2.1 WSRC-Provided Services (General)

WSRC will have general management oversight responsibility for the project addressed in this Scope of Work. Accordingly, WSRC may conduct self-assessments, safety walk-downs, drills, work reviews/inspections, or other such oversight activities as are deemed appropriate to ensure that project functions are managed safely and effectively and that deliverable schedules are being properly managed.

The Host STR will provide oversight of work performed by subcontract personnel in accordance with Manual 11B procedure 2.1.

WSRC shall:

Provide the following emergency services:

Emergency First Aid Assistance
Emergency Address System
Evacuation Warning and Area Emergency Shelter
Response to Fire(s)
Final disposition of cleanup material from spills and the resultant written reports

Provide radiation dosimetry/badges, internal dosimetry and analysis of badges and internal dosimetry

Provide records of all external and internal dosimetry results for all monitored Supplier personnel.

Provide Radiological Control Inspectors to support all drum handling, characterization, and loading activities. Signs, barricade rope, warning tags and posting materials will be provided.

Provide all required airborne contamination monitoring equipment, analysis and records.

Collect, identify, and package all secondary (job controlled) waste generated as part of this operation in accordance with Manual 1S.

3.2.2 WSRC-Supplied Services (Technical)

WSRC shall:

Provide support for equipment decontamination and secondary waste packaging and disposal.

Place the Supplier's mobile trailers on the TRU Storage Pad in the SWMF. WSRC site forces will move and offload equipment, as necessary, from the transport trailer upon arrival at SWMF.

Supply a sufficient work (operations) area for the Supplier's characterization trailers and equipment/parts laydown.

Supply the electrical power and the primary connection to the power source.

Provide mobile radios and voice and data communication lines for Supplier.

Provide transportation of the drums from the TRU Pads to the staging area on the TRU Waste Storage Pad where the Supplier's equipment is located

Provide transportation of the drums after completion of the characterization activities from the staging area on TRU Storage Pad to a staging area on the TRU Storage Pad where the mobile loading platform is located.

Provide personnel/equipment to unload and load pallets/drums.

Supply the temperature-controlled enclosure to house drums in accordance with the WIPP WAC.

Supply supplemental Head Space Gas sampling and analysis through the data generation level review per WSRC's certified program.

Generate all work control packages to support the setup, testing and operation of Supplier equipment at SRS.

Perform all tagouts/lockouts necessary to support the Supplier during the setup, testing, and operation of the Supplier's equipment at SRS.

Provide the facility and staff to support visual examination requirements for certification of TRU waste drums per WSRC procedures and the WSRC QAPD to meet the statistical sample requirements of the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Attachment B, Waste Analysis Plan. Containers must be opened and visually examined as a Quality Control check on the radiographic examination of waste containers. The data from the visual exam will be used to verify the matrix parameter category, waste material parameter weights, and the absence of prohibited items as determined by radiography. WSRC will prepare VE Batch Data Reports, complete data generation level reviews, and submit to Supplier for project level verification and validation.

As requested, categorize and calibrate specified Supplier Measuring and Test Equipment (M&TE) in accordance with the requirements identified in the WSRC 1Q Manual. The calibration quality system shall comply with ANSI/NCSL Z540-1-1994.

Perform necessary analyses and reviews to ensure that facilities, equipment, processes, and procedures used by Supplier to perform activities related to this agreement comply with the requirements of SRS safety basis documents and with physical safety requirements as specified in the SRS 8Q Manual, Procedure 51, *Final Acceptance Inspection of New, Altered, or Dispositioned, Facilities, or Equipment*.

Provide plutonium sources as required for NDA Quality Assurance Objective (QAO).
Provide PDP drums for NDA during each annual cycle as required.

Complete the Shipping Manifest and Bill of Lading for shipments to WIPP.

Provide the function of HMTR as defined in WSRC Manual 19Q.

3.3 Quality Requirements

3.3.1 Supplier Responsibilities

The Supplier will develop a Nonconformance reporting program and procedures for the reporting of noncompliance items that is responsive to the DOE-Carlsbad Area Office Quality Assurance Program Document, CAO-94-1012, and the Supplier Quality Assurance Program Requirements Data Sheet, Attachment 5.1. The Supplier personnel are responsible for identifying and reporting nonconforming items, conditions, data, and activities observed while providing waste characterization services in accordance with this Statement of Work. The nonconforming items, conditions, data, and activities will be identified and reported in accordance with the Supplier procedures.

The Supplier shall disposition each drum as WIPP certifiable or non-certifiable upon completion of each characterization process. If the drum does not match the waste stream description produced by the Acceptable Knowledge (AK) characterization, a nonconformance report (NCR) will be issued in accordance with the Supplier's Nonconformance Item Reporting and Control program. NCR's for non-certifiable drums will be provided to the WSRC Host Subcontract Technical Representative for disposition.

The Supplier shall also develop and implement a Quality Assurance Project Plan (QAPjP) in accordance with the Hazardous Waste Facility Permit issued to Waste Isolation Pilot Plant (WIPP-WAP), EPA No.# NM4890139088.

The Supplier shall develop a Waste Certification Plan to establish the criteria for the Suppliers' activities supporting certification of TRU waste as compliant with the WIPP WAC. The Waste Certification Plan will describe the activities and specific documents that implement and verify compliance with WIPP-WAC requirements.

The Supplier shall develop procedures that implement the Supplier's QAPjP and Waste Certification Plan.

The Supplier QAPjP and Waste Certification Plan shall be submitted for STR review and concurrence.

3.3.2 WSRC Responsibilities

WSRC is responsible for reporting conditions or concerns that have or may have safety, health, quality assurance, security, operational or environmental implications in accordance with Manual 9B, Site Item Reportability and Issue Management (SIRIM).

If during the process of performing Visual Examination to confirm NDE, HSG sampling and analysis performed by WSRC, or calibration of M&TE a nonconformance is found, WSRC will initiate a nonconformance report in accordance with the *Savannah River Site WIPP Disposal Program Quality Assurance Program Document*, SRS QAPD. WSRC shall notify and supply a copy of the Non-Conforming Documentation to the Supplier SPM identifying the nonconformance.

3.4 Site Conditions

The set up and system checkout by the Supplier at SRS will take place on a TRU Waste Storage Pad under weather protection. The TRU Pads are located in the Solid Waste Management Facility in E-Area.

The SWMF is a Property Protection Area. The TRU Storage Pads are classified as Radioactive Material Areas (RMAs). Entry requirements and restrictions for the TRU Storage Pads will be provided by WSRC.

3.5 Period of Performance

Start: January 01, 2001
Completion: September 30, 2002

In coordination with Supplier, WSRC will develop and maintain a project schedule to manage the activities described in this agreement. Both WSRC and the Supplier will identify and schedule activities to support completing the shipment of 3200 TRU waste drums from SRS to WIPP by May 31, 2002. (Pending discussion with the NRC, DOT, and applicable State representatives, completion could be delayed to a date no later than September 30, 2002). This commitment implies that sufficient resources will be provided to support adequate staffing for characterization, payload assembly, and loading activities as necessary. Both WSRC and the Supplier will provide the necessary management resources to support planning and scheduling meetings, activity status reporting, and oversight of the deliverables described in the SOW by the established completion date.

3.6 Personnel Qualifications/Certification

The Supplier is responsible for developing, implementing, and maintaining technical training programs that satisfy the requirements identified in the WIPP documents identified in section 2.2.

Supplier personnel responsible for delivering NDE, NDA, Headspace Gas and Analysis, or other WIPP disposal technical services must complete the applicable training and qualification requirements prior to being assigned to perform independent work

Additionally, Supplier personnel designated to perform work at SRS must complete site and regulatory requirements (associated with site access, health and safety, and security), as well as facility-specific training requirements, as identified in *Mobile Vendor Support Personnel for Mound Project Initial Operations Startup Training Authorization Plan*, SWD-SWT-2001-00010. Site and facility-specific requirements are shown in Attachment 5.4.

The Supplier's supervisor and/or electrical engineer/technician shall be trained in WSRC Hazardous Energy Control and Safe Practices On or Near Electrical Conductors, Procedure 2 Manual 18Q, Safe Electrical Practices and Procedures.

3.7 Deliverables

3.7.1 The Supplier is responsible for delivering the following services and documents as part of this SOW:

- Characterization and certification of 3200 TRU waste drums for shipment to WIPP
- Correspondence indicating NMED and EPA approval of the CFBO certification audit report
- Waste Stream Profile Packages
- DOE-approved QAPjP
- Waste Certification Plan
- Documented evidence of participating in and passing the CBFO Performance Demonstration Program for each operational system providing Non-Destructive Radioassay, Headspace Gas Sampling and Analysis in accordance with the latest version of the WIPP PDP Plans
- AK Summary Report
- Batch Data Reports, approved through Process Level Validation and Verification
- Non-Conformance Reports and Corrective Action Reports, including disposition (as needed)
- Interface Document

3.7.2 Summary Listing of Supplier Documentation Requiring WSRC Concurrence

The following Supplier documents require concurrence by the Host STR:

- Waste Certification Plan
- Quality Assurance Project Plan (QAPjP)
- Waste Stream Profile Packages
- AK Summary Report
- Technical Operating Procedures (See Attachment 5.5)
- Additional documents identified in the Interface Document that provide ongoing status of satisfactory compliance with WIPP requirements and deliverable completion

3.8 Exceptions

Any exception or clarification to any requirement identified in this specification must be identified in Supplier's proposal. If no exceptions or clarifications are requested, Supplier's proposal must so state.

After the award, Supplier shall request deviations or propose changes to the requirements in this procurement specification by submitting them to the WSRC in writing. Each requested

deviation or propose change shall be communicated using the Supplier Deviation Disposition Request (SDDR) Form (OSR Form 45-4, 03/29/2000), Attachment 5.2.

The Supplier shall submit a SDDR, as applicable, for each deviation/clarification that will:

- identify the specification and revision number,
- identify (by section and subsection number) the criteria that cannot be met,
- summarize the reason for the deviation, and
- present a proposal for resolution,
- present a price adjustment for the resolution of the exception.

The Supplier will submit the SDDR(s) to:

Westinghouse Savannah River Company
Document Control
Building 704-1
Aiken, SC 29808

The Supplier will submit the QVDR(s) to the WSRC Procurement Administrator as identified in the Subcontracts Administrative Instructions.

4.0 ACCEPTANCE OF SERVICES

4.1 Final Acceptance Method

- 3.7.1 NMED and EPA approval of CBFO Certification Audit Report
- 3.7.2 WSRC concurrence of Quality Assurance Project Plan and Waste Certification Plan
- 3.7.3 WSRC concurrence of Waste Stream Profile Packages

4.2 Inspections/Training Requirements

Supplier shall:

- 4.2.1 Successfully complete PDPs for NDA and Gas Analysis
- 4.2.2 Provide results of internal QA audits and assessments to WSRC
- 4.2.3 Provide copies of NCRs and CARs and their resultant disposition to WSRC

4.3 WSRC Surveillance and Audits

WSRC shall:

Rev. 0

- 4.3.1 Conduct periodic assessments of the supplier to verify continued compliance with procedures and programs serving as the basis for program certification
- 4.3.2 Be provided access and management oversight of all aspects of the Supplier's operation identified in the SOW.

5.0 ATTACHMENTS

- 5.1 Supplier Quality Assurance Program Requirements Data Sheet, OSR Form 19-283, 01/4/2000
- 5.2 Supplier Deviation Disposition Request (SDDR), OSR Form 45-4, 03/29/2000
- 5.3 Applicable WSRC Site Procedures
- 5.4 WSRC and SWD-Specific Training Requirements
- 5.5 Supplier Technical Procedures

Attachment 5.3

Applicable WSRC Site Procedures

The Supplier shall complete the services required by this subcontract in accordance with the applicable procedures from the following WSRC site level manuals

Manual 4Q	WSRC Industrial Hygiene Manual (U), procedure 302, <i>Handling Materials that Pose a Potential Occupational Carcinogenic Hazard</i> and Procedure 502, <i>Thermal Stress Management</i>
Manual 5Q	WSRC Radiological Control Manual (U) Chapter 4, Part 3, <i>Radioactive Source Materials</i>
Manual 6Q	Savannah River Site Emergency Plan (U)
Manual 7Q	WSRC Security Manual (U) procedures 301, <i>Physical Security Requirements</i> ; 302, <i>Protection of Government Property and Unclassified Facilities</i> , and 306, <i>Lock and Key Control</i>
Manual 8Q	Employee Safety Manual (U), procedures 9, <i>Barricades</i> ; 11, <i>Safety Rules for Site Motor Vehicles, Pedestrians, Drivers, and Parking Lots</i> ; 12, <i>General Site Safety Requirements</i> ; 31, <i>Danger, Caution, and Warning Tags</i> ; 32, <i>Hazardous Energy Control (Lockout/Tagout)</i> ; 33, <i>Confined Space Entry Program</i> ; 35, <i>Work Clearance and Authorization</i> ; 61, <i>Personal Protective Equipment</i> ; 85, <i>Responsibility for Snow and Ice Hazards</i> ; and 117, <i>Hand and Portable Power Tools</i>
Manual 18Q	WSRC Safe Electrical Practices and Procedures (U), procedures 1, <i>Electrical Safety Program and Responsibilities</i> ; 2, <i>Safe Practices On or Near Electrical Conductors</i> ; 3, <i>Grounding in Addition to Electrical Lockouts</i> ; and 4, <i>Battery Safety</i>

Note: Other applicable requirements from SRS Manuals and Procedures are specifically addressed in required SRS and SWMF-specific training (see Attachment 5.4) are not listed above.

Attachment 5.4

SRS and SWD-Specific Required Training

Position	GET/CAT-CBT	RWT II	HAZWOPER	RCRA Contingency Plans-CBT	FACILITY SPECIFIC HAZCOM-CBT	GENERAL RESP.	NEGATIVE RESP.	SWMF OVERVIEW	FACILITY ENTRY BRIEF-	SWMF CONOPS	TECH SAFETY REQ	NUCLEAR CRIT-	BASIC HAZCOM-	Radiological Generating
NDE	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NDA	X	X	X	X	X	X	X	X	X	X	X	X	X	NR
HGS	X	X	X	X	X	X	X	X	X	X	X	X	X	NR
Records /Admin Support	X	X	X	X	X	X	X	X	X	X	X	X	X	NR

NR = Not Required

Attachment 5.5

Supplier Technical Procedures

The following procedures, and all revisions to these procedures, will be provided to the Host STR by the Supplier (i.e., Site Project Manager) for review:

CCP-PO-004, CCP/SRS Interface Document

CCP-PO-005, CCP (Central Characterization Project) Remote Facility Conduct of Operations

CCP-PO-006, CCP (Central Characterization Project) Conduct of Operations Matrix

CCP-QP-002, CCP Training and Qualification Plan

CCP-QP-010, CCP Document Preparation and Approval

CCP-TP-007, CCP Single Sample Manifold Headspace Gas Sampling and Analysis Procedure

CCP-TP-009, CCP Single Sample Manifold Data Handling Procedure

CCP-TP-011, CCP Radiography Inspection Operating Procedure

CCP-TP-022, CCP Mobile IPAN/GEA Maintenance Procedure

CCP-TP-023, CCP Mobile IPAN/GEA System Mobilization, Power up and Demobilization Procedure

CCP-TP-024, CCP Mobile IPAN/GEA Operating and Data Generation Level Validation Procedure

CCP-TP-026, CCP Mobile IPAN/GEA Calibration Procedure

CCP-TP-029, CCP Single-Sample Manifold Headspace Gas Sampling and Analysis Methods and Equipment Calibration

CCP-TP-035, CCP Container Management